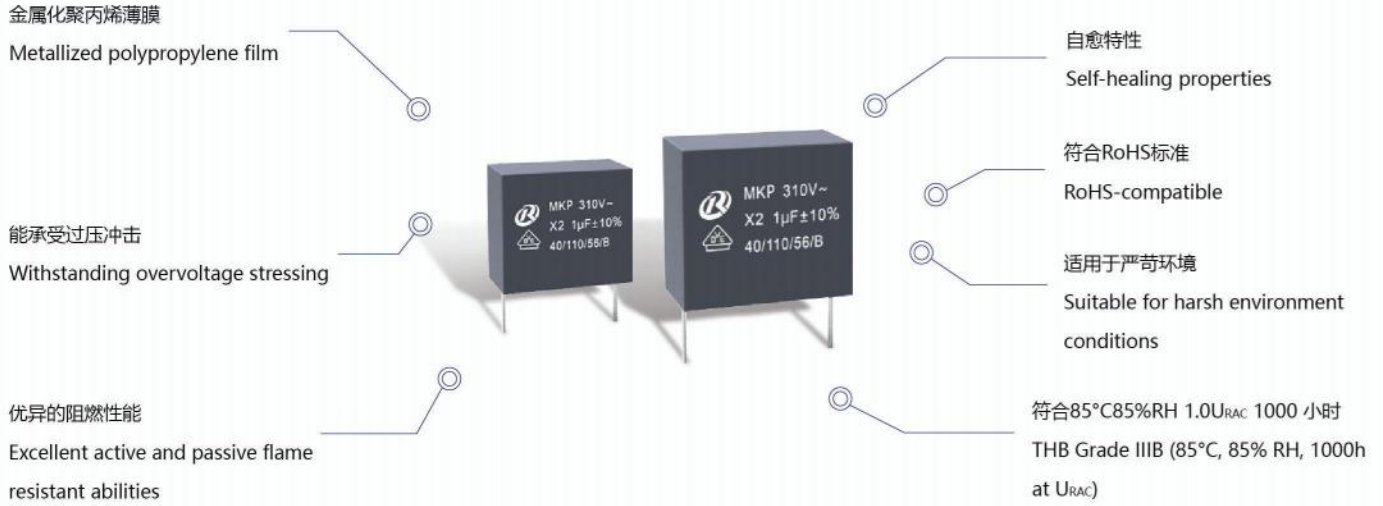


EMI Suppression Capacitors X2 series

金属化聚丙烯膜抗干扰电容器



应用

- X2类抗干扰电容器
- 广泛应用于电源跨线路等抗干扰场合
- 广泛应用于箝位电路，交流及谐波滤波，不断电系统，光伏逆变器，LCL滤波器及马达驱动

APPLICATIONS

- X2 class for interference suppression
- Widely used in across-the-line, EMI suppression
- Widely used in Clamping, AC and Harmonic Filtering, UPS Systems, Solar Inverter with LCL Filter and Motor Drive

性能参数 Technical data

气候类别 / 阻燃等级 Climatic Category / Passive Flammability Category	40/110/56/B			
工作温度范围/ Operating temperature range	-40°C~ +110°C			
容量范围/ Capacitance range	0.0022~10μF			
额定电压/ Rated voltage	AC 310V, 50~60Hz			
最大连续直流电压/ Maximum continuous DC voltage	DC 630V			
容量偏差/ Cap.tol	±5% (J) ; ±10% (K) ; ±20% (M)			
损耗角正切/ Dissipation factor	at	C _N ≤ 0.47μF	0.47μF < C _N ≤ 1.0μF	C _N > 1.0μF
	1KHz, 20°C	1 × 10 ⁻³	1 × 10 ⁻³	3 × 10 ⁻³
	100KHz, 20°C	5 × 10 ⁻³		
绝缘电阻/ Insulation resistance	V test (VDC) 1min	C _N ≤ 0.33μF		C _N > 0.33μF
	100 ± 15	≥ 100GΩ		≥ 30000s
直流电压测试/ DC test voltage	4.3U _R (DC), 2s			



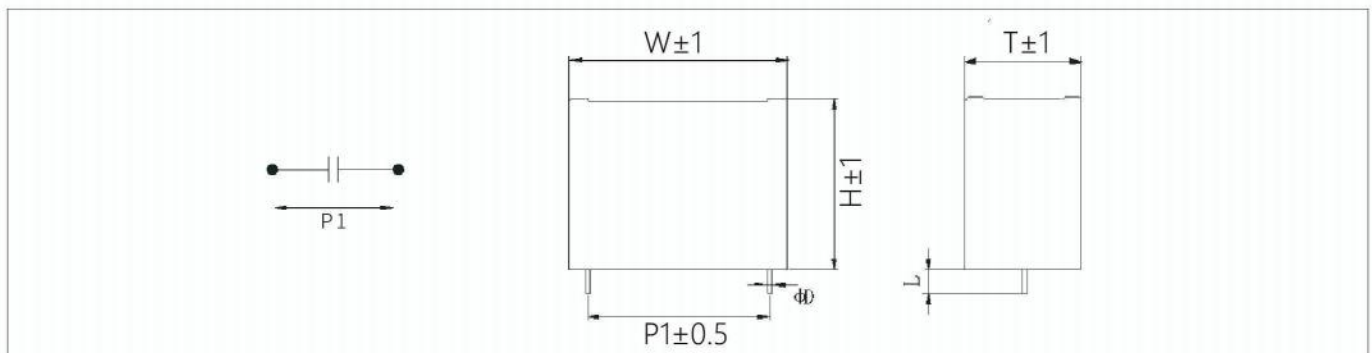
安全认证 Safety Approvals

 VDE	VDE	EN 60384-14/ IEC 60384-14	Certificate: 40052245 (approved by VDE)
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DV/DT数据 THE DV/DT TABLE

Dv/dt (V/μs)					
P=10mm	P=15mm	P=22.5mm	P=27.5mm	P=37.5mm	P=52.5mm
475	340	200	150	100	75

产品结构图 THE CONTOUR MAP



编码规则 /PART NUMBER SYSTEM

Type code	Capacitance	Rated Voltage(AC)	Tolerance	Pin	Lead Pitch P1 (mm)	Lead Pitch P2 (mm)	Lead Pitch P2 (mm)	Internal code
1~3	4~6	7~10	11	12	13	14	15	16~17
MKP	105= 10×10 ⁵ pF =1μF	0310=310VAC	J=±5% K=±10% M=±20%	2: 2Pin	2: P1=10 3: P1=15 4: P1=22.5 5: P1=27.5 6: P1=37.5 7: P1=52.5	0: 无	1: L=4 2: L=15	01

规格表 Specification table

C _N (μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number	C _N (μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.0022	13.0	4.0	8.0	0.6	10.0	MPX2220310*220***	0.0056	13.0	4.0	9.0	0.6	10.0	MPX5620310*220***
0.0033	13.0	4.0	9.0	0.6	10.0	MPX3320310*220***	0.0056	13.0	5.0	11.0	0.6	10.0	MPX5620310*220***
0.0047	13.0	4.0	9.0	0.6	10.0	MPX4720310*220***	0.0068	13.0	4.0	9.0	0.6	10.0	MPX6820310*220***
0.0047	13.0	5.0	11.0	0.6	10.0	MPX4720310*220***	0.0068	13.0	5.0	11.0	0.6	10.0	MPX6820310*220***



EMI Suppression Capacitors X2 series

金属化聚丙烯膜抗干扰电容器

规格表 Specification table

续上表

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.0082	13.0	4.0	9.0	0.6	10.0	MPX8220310*220***
0.0082	13.0	5.0	11.0	0.6	10.0	MPX8220310*220***
0.010	13.0	4.0	9.0	0.6	10.0	MPX1030310*220***
0.010	13.0	5.0	11.0	0.6	10.0	MPX1030310*220***
0.010	18.0	4.0	8.0	0.6	15.0	MPX1030310*230***
0.010	18.0	5.0	11.0	0.6	15.0	MPX1030310*230***
0.012	13.0	4.0	9.0	0.6	10.0	MPX1230310*220***
0.012	13.0	5.0	11.0	0.6	10.0	MPX1230310*220***
0.015	13.0	4.0	9.0	0.6	10.0	MPX1530310*220***
0.015	13.0	5.0	11.0	0.6	10.0	MPX1530310*220***
0.015	18.0	4.0	8.0	0.6	15.0	MPX1530310*230***
0.015	18.0	5.0	11.0	0.6	15.0	MPX1530310*230***
0.018	13.0	4.0	9.0	0.6	10.0	MPX1830310*220***
0.018	13.0	5.0	11.0	0.6	10.0	MPX1830310*220***
0.018	18.0	4.0	9.0	0.6	15.0	MPX1830310*230***
0.018	18.0	5.0	11.0	0.6	15.0	MPX1830310*230***
0.022	13.0	4.0	9.0	0.6	10.0	MPX2230310*220***
0.022	13.0	5.0	11.0	0.6	10.0	MPX2230310*220***
0.022	18.0	4.0	9.0	0.6	15.0	MPX2230310*230***
0.022	18.0	5.0	11.0	0.6	15.0	MPX2230310*230***
0.027	13.0	4.0	9.0	0.6	10.0	MPX2730310*220***
0.027	13.0	5.0	11.0	0.6	10.0	MPX2730310*220***
0.027	18.0	4.0	9.0	0.6	15.0	MPX2730310*230***
0.027	18.0	5.0	11.0	0.6	15.0	MPX2730310*230***
0.033	13.0	4.0	9.0	0.6	10.0	MPX3330310*220***
0.033	13.0	5.0	11.0	0.6	10.0	MPX3330310*220***
0.033	18.0	4.0	9.0	0.6	15.0	MPX3330310*230***
0.033	18.0	5.0	11.0	0.6	15.0	MPX3330310*230***
0.039	13.0	4.0	9.0	0.6	10.0	MPX3930310*220***
0.039	13.0	5.0	11.0	0.6	10.0	MPX3930310*220***
0.039	13.0	6.0	12.0	0.6	10.0	MPX3930310*220***
0.039	18.0	4.0	9.0	0.6	15.0	MPX3930310*220***
0.039	18.0	5.0	11.0	0.6	15.0	MPX3930310*220***
0.047	13.0	4.0	9.0	0.6	10.0	MPX4730310*220***
0.047	13.0	5.0	10.0	0.6	10.0	MPX4730310*220***
0.047	13.0	5.0	11.0	0.6	10.0	MPX4730310*220***
0.047	13.0	6.0	12.0	0.6	10.0	MPX4730310*220***
0.047	13.0	7.0	13.0	0.6	10.0	MPX4730310*220***
0.047	18.0	4.0	9.0	0.6	15.0	MPX4730310*230***
0.047	18.0	5.0	11.0	0.6	15.0	MPX4730310*230***
0.056	13.0	4.0	9.0	0.6	10.0	MPX5630310*220***
0.056	13.0	4.5	9.5	0.6	10.0	MPX5630310*220***
0.056	13.0	5.0	10.0	0.6	10.0	MPX5630310*220***
0.056	13.0	5.0	11.0	0.6	10.0	MPX5630310*220***
0.056	13.0	6.0	12.0	0.6	10.0	MPX5630310*220***
0.056	13.0	7.0	13.0	0.6	10.0	MPX5630310*220***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.056	18.0	4.0	9.0	0.6	15.0	MPX5630310*230***
0.056	18.0	5.0	11.0	0.6	15.0	MPX5630310*230***
0.068	13.0	5.0	11.0	0.6	10.0	MPX6830310*220***
0.068	13.0	6.0	12.0	0.6	10.0	MPX6830310*220***
0.068	13.0	7.0	13.0	0.6	10.0	MPX6830310*220***
0.068	18.0	4.0	10.0	0.6	15.0	MPX6830310*230***
0.068	18.0	5.0	11.0	0.6	15.0	MPX6830310*230***
0.082	13.0	5.0	11.0	0.6	10.0	MPX8230310*220***
0.082	13.0	6.0	12.0	0.6	10.0	MPX8230310*220***
0.082	13.0	7.0	13.0	0.6	10.0	MPX8230310*220***
0.082	18.0	5.0	10.0	0.6	15.0	MPX8230310*230***
0.082	18.0	5.0	11.0	0.6	15.0	MPX8230310*230***
0.082	18.0	6.0	12.0	0.6	15.0	MPX8230310*230***
0.10	13.0	5.0	11.0	0.6	10.0	MPX1040310*220***
0.10	13.0	6.0	12.0	0.6	10.0	MPX1040310*220***
0.10	13.0	8.0	14.0	0.6	10.0	MPX1040310*220***
0.10	18.0	5.0	10.0	0.6	15.0	MPX1040310*230***
0.10	18.0	5.0	11.0	0.6	15.0	MPX1040310*230***
0.10	18.0	6.0	12.0	0.6	15.0	MPX1040310*230***
0.10	18.0	6.0	13.5	0.6	15.0	MPX1040310*230***
0.12	13.0	6.0	12.0	0.6	10.0	MPX1240310*220***
0.12	13.0	7.0	13.0	0.6	10.0	MPX1240310*220***
0.12	18.0	5.0	10.0	0.6	15.0	MPX1240310*230***
0.12	18.0	5.0	11.0	0.6	15.0	MPX1240310*230***
0.12	18.0	6.0	12.0	0.6	15.0	MPX1240310*230***
0.12	18.0	7.5	13.5	0.6	15.0	MPX1240310*230***
0.15	13.0	6.0	12.0	0.6	10.0	MPX1540310*220***
0.15	13.0	7.0	13.0	0.6	10.0	MPX1540310*220***
0.15	13.0	8.0	14.0	0.6	10.0	MPX1540310*220***
0.15	18.0	5.0	10.5	0.6	15.0	MPX1540310*230***
0.15	18.0	6.0	12.0	0.6	15.0	MPX1540310*230***
0.15	18.0	7.5	13.5	0.6	15.0	MPX1540310*230***
0.15	17.0	6.0	14.0	0.6	15.0	MPX1540310*230***
0.15	18.0	8.5	14.5	0.6	15.0	MPX1540310*230***
0.15	26.0	6.0	12.0	0.6	22.5	MPX1540310*240***
0.15	26.5	6.0	15.0	0.6	22.5	MPX1540310*240***
0.15	26.0	6.0	14.5	0.6	22.5	MPX1540310*240***
0.18	13.0	7.0	13.0	0.6	10.0	MPX1840310*220***
0.18	13.0	8.0	14.0	0.6	10.0	MPX1840310*220***
0.18	18.0	5.0	11.0	0.6	15.0	MPX1840310*230***
0.18	18.0	6.0	12.0	0.6	15.0	MPX1840310*230***
0.18	18.0	7.5	13.5	0.6	15.0	MPX1840310*230***
0.18	26.0	6.0	12.0	0.8	22.5	MPX1840310*240***
0.18	26.0	6.0	14.5	0.8	22.5	MPX1840310*240***
0.18	26.5	6.0	15.0	0.8	22.5	MPX1840310*240***
0.22	13.0	8.0	14.0	0.6	10.0	MPX2240310*220***



规格表 Specification table

续上表

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.22	18.0	6.0	11.5	0.6	15.0	MPX2240310*230***
0.22	18.0	7.0	13.0	0.6	15.0	MPX2240310*230***
0.22	18.0	6.3	13.0	0.6	15.0	MPX2240310*230***
0.22	18.0	6.0	13.5	0.6	15.0	MPX2240310*230***
0.22	18.0	7.5	13.5	0.6	15.0	MPX2240310*230***
0.22	18.0	8.5	14.5	0.6	15.0	MPX2240310*230***
0.22	18.0	10.0	16.0	0.6	15.0	MPX2240310*230***
0.22	26.0	6.0	12.0	0.8	22.5	MPX2240310*240***
0.22	26.5	6.0	15.0	0.8	22.5	MPX2240310*240***
0.22	26.0	6.0	14.5	0.8	22.5	MPX2240310*240***
0.27	18.0	6.0	13.5	0.6	15.0	MPX2740310*230***
0.27	18.0	8.5	14.5	0.6	15.0	MPX2740310*230***
0.27	18.0	10.0	16.0	0.6	15.0	MPX2740310*230***
0.27	26.0	6.0	12.0	0.8	22.5	MPX2740310*240***
0.27	26.5	6.0	15.0	0.8	22.5	MPX2740310*240***
0.27	26.5	7.0	17.0	0.8	22.5	MPX2740310*240***
0.33	18.0	7.0	13.0	0.6	15.0	MPX3340310*230***
0.33	17.5	7.5	17.0	0.6	15.0	MPX3340310*230***
0.33	17.0	9.0	16.0	0.6	15.0	MPX3340310*230***
0.33	18.0	8.5	14.5	0.6	15.0	MPX3340310*230***
0.33	18.0	10.0	16.0	0.6	15.0	MPX3340310*230***
0.33	18.0	11.0	18.5	0.6	15.0	MPX3340310*230***
0.33	26.0	6.0	12.0	0.8	22.5	MPX3340310*240***
0.33	26.5	6.0	15.0	0.8	22.5	MPX3340310*240***
0.33	26.5	7.0	17.0	0.8	22.5	MPX3340310*240***
0.33	26.5	8.5	17.0	0.8	22.5	MPX3340310*240***
0.39	18.0	7.5	13.5	0.6	15.0	MPX3940310*230***
0.39	18.0	10.0	16.0	0.6	15.0	MPX3940310*230***
0.39	18.0	11.0	18.5	0.6	15.0	MPX3940310*230***
0.39	26.0	6.0	12.0	0.8	22.5	MPX3940310*240***
0.39	26.5	6.0	15.0	0.8	22.5	MPX3940310*240***
0.39	26.5	7.0	17.0	0.8	22.5	MPX3940310*240***
0.39	26.5	8.5	17.0	0.8	22.5	MPX3940310*240***
0.39	26.5	10.0	19.0	0.8	22.5	MPX3940310*240***
0.47	18.0	8.0	14.0	0.6	15.0	MPX4740310*230***
0.47	18.0	8.5	16.5	0.6	15.0	MPX4740310*230***
0.47	18.0	10.0	16.0	0.6	15.0	MPX4740310*230***
0.47	18.0	9.0	18.0	0.6	15.0	MPX4740310*230***
0.47	18.0	11.0	18.5	0.6	15.0	MPX4740310*230***
0.47	26.0	6.0	14.0	0.8	22.5	MPX4740310*240***
0.47	26.0	7.5	16.5	0.8	22.5	MPX4740310*240***
0.47	26.5	7.0	17.0	0.8	22.5	MPX4740310*240***
0.47	26.5	8.5	17.0	0.8	22.5	MPX4740310*240***
0.47	26.5	10.0	19.0	0.8	22.5	MPX4740310*240***
0.47	31.0	6.0	13.5	0.8	27.5	MPX4740310*250***
0.47	31.0	6.5	15.5	0.8	27.5	MPX4740310*250***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.47	32.0	9.0	18.0	0.8	27.5	MPX4740310*250***
0.47	30.0	10.0	17.2	0.8	27.5	MPX4740310*250***
0.47	31.5	11.0	20.0	0.8	27.5	MPX4740310*250***
0.56	18.0	9.0	15.0	0.6	15.0	MPX5640310*230***
0.56	18.0	11.0	18.5	0.6	15.0	MPX5640310*230***
0.56	26.0	7.0	14.0	0.8	22.5	MPX5640310*240***
0.56	26.5	7.5	17.0	0.8	22.5	MPX5640310*240***
0.56	26.5	10.0	19.0	0.8	22.5	MPX5640310*240***
0.56	26.5	11.0	20.0	0.8	22.5	MPX5640310*240***
0.56	31.0	6.5	14.0	0.8	27.5	MPX5640310*250***
0.56	31.0	7.5	16.0	0.8	27.5	MPX5640310*250***
0.56	30.0	10.0	17.2	0.8	27.5	MPX5640310*250***
0.56	32.0	9.0	18.0	0.8	27.5	MPX5640310*250***
0.56	31.5	11.0	20.0	0.8	27.5	MPX5640310*250***
0.68	18.0	10.0	16.0	0.6	15.0	MPX6840310*230***
0.68	18.0	11.0	18.5	0.6	15.0	MPX6840310*230***
0.68	18.0	11.2	19.2	0.6	15.0	MPX6840310*230***
0.68	26.0	7.0	14.0	0.8	22.5	MPX6840310*240***
0.68	26.0	8.0	17.0	0.8	22.5	MPX6840310*240***
0.68	26.5	10.0	19.0	0.8	22.5	MPX6840310*240***
0.68	26.5	12.5	21.5	0.8	22.5	MPX6840310*240***
0.68	31.0	6.5	15.5	0.8	27.5	MPX6840310*250***
0.68	31.0	7.5	16.0	0.8	27.5	MPX6840310*250***
0.68	32.0	9.0	18.0	0.8	27.5	MPX6840310*250***
0.68	30.0	10.0	17.2	0.8	27.5	MPX6840310*250***
0.68	31.5	11.0	20.0	0.8	27.5	MPX6840310*250***
0.82	18.0	10.0	17.5	0.6	15.0	MPX8240310*230***
0.82	18.0	11.0	18.5	0.6	15.0	MPX8240310*230***
0.82	18.0	11.2	19.2	0.6	15.0	MPX8240310*230***
0.82	26.0	8.0	16.0	0.8	22.5	MPX8240310*240***
0.82	26.0	8.5	18.5	0.8	22.5	MPX8240310*240***
0.82	26.5	11.0	20.0	0.8	22.5	MPX8240310*240***
0.82	26.5	13.5	22.0	0.8	22.5	MPX8240310*240***
0.82	31.0	7.5	16.0	0.8	27.5	MPX8240310*250***
0.82	31.0	8.0	17.0	0.8	27.5	MPX8240310*250***
0.82	32.0	9.0	18.0	0.8	27.5	MPX8240310*250***
0.82	32.0	10.0	17.2	0.8	27.5	MPX8240310*250***
0.82	31.5	11.0	20.0	0.8	27.5	MPX8240310*250***
0.82	31.0	13.0	22.0	0.8	27.5	MPX8240310*250***
1.0	18.0	11.0	18.5	0.6	15.0	MPX1050310*230***
1.0	18.0	11.2	19.2	0.6	15.0	MPX1050310*230***
1.0	26.5	8.5	17.0	0.8	22.5	MPX1050310*240***
1.0	26.0	9.0	17.0	0.8	22.5	MPX1050310*240***
1.0	26.0	10.0	19.0	0.8	22.5	MPX1050310*240***
1.0	26.5	12.5	21.5	0.8	22.5	MPX1050310*240***
1.0	26.5	15.0	25.0	0.8	22.5	MPX1050310*240***



EMI Suppression Capacitors X2 series

金属化聚丙烯膜抗干扰电容器

规格表 Specification table

续上表

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
1.0	31.0	8.0	17.0	0.8	27.5	MPX1050310*250***
1.0	32.0	9.0	18.0	0.8	27.5	MPX1050310*250***
1.0	31.5	11.0	20.0	0.8	27.5	MPX1050310*250***
1.0	31.0	13.0	22.0	0.8	27.5	MPX1050310*250***
1.2	26.0	9.0	19.5	0.8	22.5	MPX1250310*240***
1.2	26.5	10.0	18.5	0.8	22.5	MPX1250310*240***
1.2	26.5	11.0	20.0	0.8	22.5	MPX1250310*240***
1.2	26.5	13.5	24.0	0.8	22.5	MPX1250310*240***
1.2	31.0	9.0	17.5	0.8	27.5	MPX1250310*250***
1.2	32.0	9.0	18.0	0.8	27.5	MPX1250310*250***
1.2	31.5	11.0	20.0	0.8	27.5	MPX1250310*250***
1.2	31.0	13.0	22.0	0.8	27.5	MPX1250310*250***
1.2	31.5	14.0	25.0	0.8	27.5	MPX1250310*250***
1.5	26.0	10.0	21.0	0.8	22.5	MPX1550310*240***
1.5	26.5	11.0	20.0	0.8	22.5	MPX1550310*240***
1.5	26.5	12.5	21.5	0.8	22.5	MPX1550310*240***
1.5	26.5	15.0	25.0	0.8	22.5	MPX1550310*240***
1.5	31.0	10.0	18.5	0.8	27.5	MPX1550310*250***
1.5	32.0	9.0	18.0	0.8	27.5	MPX1550310*250***
1.5	31.5	11.0	20.0	0.8	27.5	MPX1550310*250***
1.5	31.0	14.0	23.5	0.8	27.5	MPX1550310*250***
1.5	31.5	16.0	25.5	0.8	27.5	MPX1550310*250***
1.5	41.0	11.0	22.0	0.8	37.5	MPX1550310*260***
1.5	41.0	13.0	24.0	0.8	37.5	MPX1550310*260***
1.8	26.0	12.5	23.0	0.8	22.5	MPX1850310*240***
1.8	26.5	12.0	22.0	0.8	22.5	MPX1850310*240***
1.8	26.5	15.5	21.5	0.8	22.5	MPX1850310*240***
1.8	26.5	15.0	25.0	0.8	22.5	MPX1850310*240***
1.8	31.5	11.0	20.0	0.8	27.5	MPX1850310*250***
1.8	31.0	12.0	20.5	0.8	27.5	MPX1850310*250***
1.8	31.0	13.0	22.0	0.8	27.5	MPX1850310*250***
1.8	31.0	14.0	25.0	0.8	27.5	MPX1850310*250***
1.8	31.0	18.0	26.0	0.8	27.5	MPX1850310*250***
1.8	41.0	11.0	22.0	0.8	37.5	MPX1850310*260***
1.8	41.0	13.0	24.0	0.8	37.5	MPX1850310*260***
2.2	26.0	15.0	22.0	0.8	22.5	MPX2250310*240***
2.2	26.5	13.5	24.0	0.8	22.5	MPX2250310*240***
2.2	31.0	13.0	22.0	0.8	27.5	MPX2250310*250***
2.2	32.0	14.0	23.5	0.8	27.5	MPX2250310*250***
2.2	31.0	18.0	26.0	0.8	27.5	MPX2250310*250***
2.2	31.5	18.0	30.0	0.8	27.5	MPX2250310*250***
2.2	41.0	11.0	22.0	0.8	37.5	MPX2250310*260***
2.2	41.0	13.0	24.0	0.8	37.5	MPX2250310*260***
2.2	41.0	15.0	26.0	0.8	37.5	MPX2250310*260***
2.7	31.0	13.0	22.0	0.8	27.5	MPX2750310*250***
2.7	31.5	16.0	25.5	0.8	27.5	MPX2750310*250***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
2.7	31.0	19.0	28.0	0.8	27.5	MPX2750310*250***
2.7	41.0	13.0	24.0	0.8	37.5	MPX2750310*260***
2.7	41.0	15.0	26.0	0.8	37.5	MPX2750310*260***
2.7	41.0	16.0	27.5	0.8	37.5	MPX2750310*260***
3.3	31.0	14.0	25.0	0.8	27.5	MPX3350310*250***
3.3	31.0	17.5	26.0	0.8	27.5	MPX3350310*250***
3.3	31.0	15.5	29.0	0.8	27.5	MPX3350310*250***
3.3	32.0	18.0	33.0	0.8	27.5	MPX3350310*250***
3.3	41.0	15.0	26.0	0.8	37.5	MPX3350310*260***
3.3	42.0	14.0	28.0	0.8	37.5	MPX3350310*260***
3.3	41.5	14.5	26.0	0.8	37.5	MPX3350310*260***
3.3	41.5	16.0	27.5	0.8	37.5	MPX3350310*260***
3.3	41.5	18.5	31.5	0.8	37.5	MPX3350310*260***
3.9	31.5	16.0	25.5	0.8	27.5	MPX3950310*250***
3.9	31.0	19.0	28.0	0.8	27.5	MPX3950310*250***
3.9	32.0	22.0	37.0	0.8	27.5	MPX3950310*250***
3.9	41.5	16.0	27.5	0.8	37.5	MPX3950310*260***
3.9	41.0	16.0	30.0	0.8	37.5	MPX3950310*260***
3.9	41.0	18.5	33.5	0.8	37.5	MPX3950310*260***
4.7	31.0	18.0	26.0	0.8	27.5	MPX4750310*250***
4.7	31.0	20.0	30.5	0.8	27.5	MPX4750310*250***
4.7	31.0	19.0	32.5	0.8	27.5	MPX4750310*250***
4.7	32.0	22.0	37.0	0.8	27.5	MPX4750310*250***
4.7	41.5	17.0	30.0	0.8	37.5	MPX4750310*260***
4.7	41.0	16.0	30.0	0.8	37.5	MPX4750310*260***
4.7	41.0	18.5	33.5	0.8	37.5	MPX4750310*260***
4.7	41.5	25.0	38.0	0.8	37.5	MPX4750310*260***
5.6	31.5	18.0	30.0	0.8	27.5	MPX5650310*250***
5.6	31.0	21.0	34.5	0.8	27.5	MPX5650310*250***
5.6	41.5	18.5	31.5	0.8	37.5	MPX5650310*260***
5.6	41.0	18.5	33.5	0.8	37.5	MPX5650310*260***
5.6	41.0	22.5	35.5	0.8	37.5	MPX5650310*260***
5.6	41.5	25.0	38.0	0.8	37.5	MPX5650310*260***
6.8	31.0	21.0	34.5	0.8	27.5	MPX6850310*250***
6.8	41.0	18.5	33.5	0.8	37.5	MPX6850310*260***
6.8	41.5	22.5	35.5	0.8	37.5	MPX6850310*260***
8.2	41.0	22.0	37.0	0.8	37.5	MPX8250310*260***
8.2	41.5	25.0	38.0	0.8	37.5	MPX8250310*260***
10.0	41.0	22.0	37.0	0.8	37.5	MPX1060310*260***
10.0	41.5	27.5	37.5	0.8	37.5	MPX1060310*260***
10.0	41.0	26.0	41.0	0.8	37.5	MPX1060310*260***
10.0	41.5	27.5	41.0	0.8	37.5	MPX1060310*260***



金属化聚丙烯薄膜

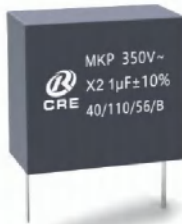
Metallized polypropylene film

能承受过压冲击

Withstanding overvoltage stressing

优异的阻燃性能

Excellent active and passive flame resistant abilities



自愈特性

Self-healing properties

符合RoHS标准

RoHS-compatible

适用于严苛环境

Suitable for harsh environment conditions

符合85°C85%RH 1.0U_{RAC} 1000 小时
THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})

应用

- X2类抗干扰电容器
- 广泛应用于电源跨线路等抗干扰场合
- 广泛应用于箝位电路，交流及谐波滤波，不断电系统，光伏逆变器，LCL滤波器及马达驱动

APPLICATIONS

- X2 class for interference suppression
- Widely used in across-the-line, EMI suppression
- Widely used in Clamping, AC and Harmonic Filtering, UPS Systems, Solar Inverter with LCL Filter and Motor Drive

性能参数 Technical data

气候类别 / 阻燃等级 Climatic Category / Passive Flammability Category	40/110/56/B		
工作温度范围/ Operating temperature range	-40°C~ +110°C		
容量范围/ Capacitance range	0.01~25μF		
额定电压/ Rated voltage	AC 350V, 50~60Hz		
最大连续直流电压/ Maximum continuous DC voltage	DC 630V		
容量偏差/ Cap.tol	±5% (J) ; ±10% (K) ; ±20% (M)		
损耗角正切/ Dissipation factor	at	C _N ≤ 2.2μF	C _N > 2.2μF
	1KHz, 20°C	1 × 10 ⁻³	3 × 10 ⁻³
绝缘电阻/ Insulation resistance	V test (VDC) 1min	C _N ≤ 0.33μF	C _N > 0.33μF
	100 ± 15	≥ 100GΩ	≥ 30000s
直流电压测试/ DC test voltage	4.3U _R (DC), 2s		



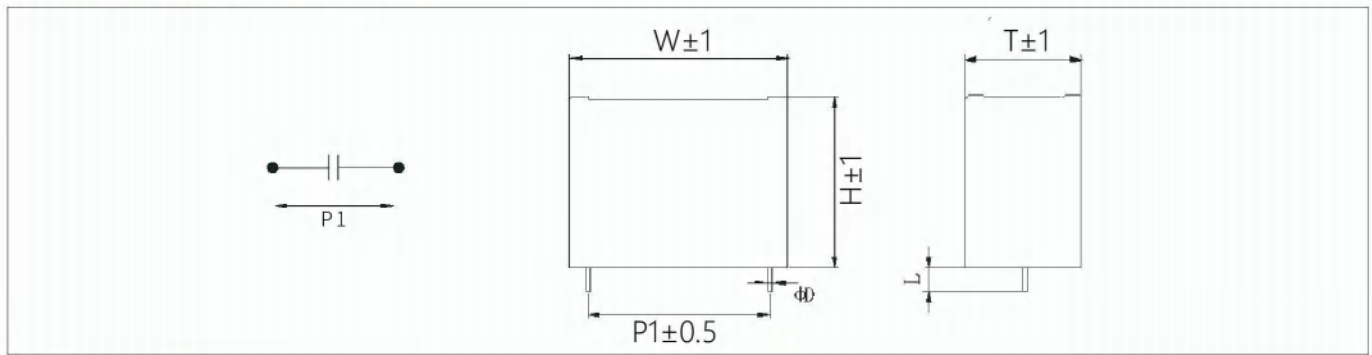
EMI Suppression Capacitors X2 series

金属化聚丙烯膜抗干扰电容器

DV/DT数据 THE DV/DT TABLE

Dv/dt (V/μs)					
P=10mm	P=15mm	P=22.5mm	P=27.5mm	P=37.5mm	P=52.5mm
475	340	200	150	100	75

产品结构图 THE CONTOUR MAP

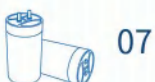


编码规则 /PART NUMBER SYSTEM

Type code	Capacitance	Rated Voltage(AC)	Tolerance	Pin	Lead Pitch P1 (mm)	Lead Pitch P2 (mm)	Lead Pitch P2 (mm)	Internal code
1~3	4~6	7~10	11	12	13	14	15	16~17
MKP	105= 10×10 ⁵ pF =1μF	0350=350VAC	J=±5% K=±10% M=±20%	2: 2Pin	2: P1=10 3: P1=15 4: P1=22.5 5: P1=27.5 6: P1=37.5 7: P1=52.5	0: 无	1: L=4 2: L=15	01

规格表 Specification table

C _N (μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number	C _N (μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.010	13.0	4.0	9.0	0.6	10.0	MPX1030350*220***	0.047	13.0	6.0	12.0	0.6	10.0	MPX4730350*220***
0.012	13.0	4.0	9.0	0.6	10.0	MPX1230350*220***	0.056	13.0	5.0	11.0	0.6	10.0	MPX5630350*220***
0.015	13.0	4.0	9.0	0.6	10.0	MPX1530350*220***	0.056	13.0	6.0	12.0	0.6	10.0	MPX5630350*220***
0.018	13.0	4.0	9.0	0.6	10.0	MPX1830350*220***	0.068	13.0	6.0	12.0	0.6	10.0	MPX6830350*220***
0.022	13.0	4.0	9.0	0.6	10.0	MPX2230350*220***	0.10	13.0	7.0	13.0	0.6	10.0	MPX1040350*220***
0.027	13.0	4.0	9.0	0.6	10.0	MPX2730350*220***	0.010	17.5	5.0	9.5	0.6	15.0	MPX1030350*230***
0.027	13.0	5.0	11.0	0.6	10.0	MPX2730350*220***	0.012	17.5	5.0	9.5	0.6	15.0	MPX1230350*230***
0.033	13.0	4.0	9.0	0.6	10.0	MPX3320350*220***	0.015	17.5	5.0	9.5	0.6	15.0	MPX1530350*230***
0.033	13.0	5.0	11.0	0.6	10.0	MPX3320350*220***	0.018	17.5	5.0	9.5	0.6	15.0	MPX1830350*230***
0.039	13.0	5.0	11.0	0.6	10.0	MPX3930350*220***	0.022	17.5	5.0	9.5	0.6	15.0	MPX2230350*230***
0.047	13.0	5.0	11.0	0.6	10.0	MPX4730350*220***	0.027	17.5	5.0	9.5	0.6	15.0	MPX2730350*230***



07

规格表 Specification table

续上表

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.033	17.5	5.0	9.5	0.6	15.0	MPX3330350*230***
0.039	17.5	5.0	9.5	0.6	15.0	MPX3930350*230***
0.047	17.5	5.0	9.5	0.6	15.0	MPX4720350*230***
0.047	17.5	5.0	11.0	0.6	15.0	MPX4720350*230***
0.056	17.5	5.0	9.5	0.6	15.0	MPX5620350*230***
0.056	17.5	5.0	11.0	0.6	15.0	MPX5630350*230***
0.068	17.5	5.0	9.5	0.6	15.0	MPX6830350*230***
0.068	17.5	6.0	12.0	0.6	15.0	MPX6830350*230***
0.082	17.5	5.0	9.5	0.6	15.0	MPX8230350*230***
0.082	17.5	6.0	12.0	0.6	15.0	MPX8230350*230***
0.10	17.5	5.0	11.0	0.6	15.0	MPX1040350*230***
0.10	17.5	6.0	12.0	0.6	15.0	MPX1040350*230***
0.10	17.5	7.5	13.5	0.6	15.0	MPX1040350*230***
0.12	17.5	6.0	12.0	0.6	15.0	MPX1240350*230***
0.12	17.5	7.5	13.5	0.6	15.0	MPX1240350*230***
0.15	17.5	6.0	12.0	0.6	15.0	MPX1540350*230***
0.15	17.5	7.5	13.5	0.6	15.0	MPX1540350*230***
0.15	17.5	8.5	14.5	0.6	15.0	MPX1540350*230***
0.18	17.5	7.5	13.5	0.6	15.0	MPX1840350*230***
0.18	17.5	8.5	14.5	0.6	15.0	MPX1840350*230***
0.22	17.5	7.5	13.5	0.6	15.0	MPX2240350*230***
0.22	17.5	8.5	14.5	0.6	15.0	MPX2240350*230***
0.22	17.5	11.0	16.0	0.6	15.0	MPX2240350*230***
0.27	17.5	8.5	14.5	0.6	15.0	MPX2740350*230***
0.27	17.5	10.0	16.0	0.8	15.0	MPX2740350*230***
0.33	17.5	8.5	14.5	0.6	15.0	MPX3340350*230***
0.33	17.5	10.0	16.0	0.6	15.0	MPX3340350*230***
0.33	17.5	11.0	19.0	0.8	15.0	MPX3340350*230***
0.39	17.5	10.0	16.0	0.8	15.0	MPX3940350*230***
0.39	17.5	10.0	18.0	0.8	15.0	MPX3940350*230***
0.47	17.5	11.0	19.0	0.8	15.0	MPX4740350*230***
0.10	26.5	6.0	15.0	0.8	22.5	MPX1040350*240***
0.12	26.5	6.0	15.0	0.8	22.5	MPX1240350*240***
0.15	26.5	6.0	15.0	0.8	22.5	MPX1540350*240***
0.18	26.5	6.0	15.0	0.8	22.5	MPX1840350*240***
0.22	26.5	6.0	15.0	0.8	22.5	MPX2240350*240***
0.27	26.5	6.0	15.0	0.8	22.5	MPX2740350*240***
0.33	26.5	6.0	15.0	0.8	22.5	MPX3340350*240***
0.33	26.5	7.0	16.0	0.8	22.5	MPX3340350*240***
0.33	26.5	9.0	17.0	0.8	22.5	MPX3340350*240***
0.39	26.5	6.0	15.0	0.8	22.5	MPX3940350*240***
0.39	26.5	8.5	17.0	0.8	22.5	MPX3940350*240***
0.39	26.5	9.0	18.5	0.8	22.5	MPX3940350*240***
0.47	26.5	7.0	16.0	0.8	22.5	MPX4740350*240***
0.47	26.5	8.5	17.0	0.8	22.5	MPX4740350*240***
0.47	26.5	9.0	18.5	0.8	22.5	MPX4740350*240***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.47	26.5	10.0	18.5	0.8	22.5	MPX4740350*240***
0.56	26.5	8.5	17.0	0.8	22.5	MPX5640350*240***
0.56	26.5	9.0	18.5	0.8	22.5	MPX5640350*240***
0.56	26.5	10.0	18.5	0.8	22.5	MPX5640350*240***
0.68	26.5	8.5	17.0	0.8	22.5	MPX6840350*240***
0.68	26.5	10.0	18.5	0.8	22.5	MPX6840350*240***
0.68	26.5	11.0	20.0	0.8	22.5	MPX6840350*240***
0.68	26.5	11.0	21.0	0.8	22.5	MPX6840350*240***
0.82	26.5	10.0	18.5	0.8	22.5	MPX8240350*240***
0.82	26.5	11.0	20.0	0.8	22.5	MPX8240350*240***
0.82	26.5	12.0	22.0	0.8	22.5	MPX8240350*240***
1.0	26.5	12.0	22.0	0.8	22.5	MPX1050350*240***
1.0	26.5	13.5	23.0	0.8	22.5	MPX1050350*240***
1.2	26.5	12.0	22.0	0.8	22.5	MPX1250350*240***
1.2	26.5	13.5	23.0	0.8	22.5	MPX1250350*240***
1.2	26.5	14.5	24.5	0.8	22.5	MPX1250350*240***
1.5	26.5	14.5	24.5	0.8	22.5	MPX1550350*240***
1.5	26.5	13.5	23.0	0.8	22.5	MPX1550350*240***
1.5	26.5	15.5	24.5	0.8	22.5	MPX1550350*240***
1.5	26.5	14.5	29.5	0.8	22.5	MPX1550350*240***
1.8	26.5	15.5	24.5	0.8	22.5	MPX1850350*240***
1.8	26.5	15.5	31.0	0.8	22.5	MPX1850350*240***
2.2	26.5	12.0	28.0	0.8	22.5	MPX2250350*240***
2.2	26.5	14.5	29.5	0.8	22.5	MPX2250350*240***
2.2	26.5	15.5	24.5	0.8	22.5	MPX2250350*240***
2.2	26.5	15.5	31.0	0.8	22.5	MPX2250350*240***
0.22	32.0	9.0	18.0	0.8	27.5	MPX2240350*250***
0.27	32.0	9.0	18.0	0.8	27.5	MPX2740350*250***
0.33	32.0	9.0	18.0	0.8	27.5	MPX3340350*250***
0.39	32.0	9.0	18.0	0.8	27.5	MPX3940350*250***
0.47	32.0	9.0	18.0	0.8	27.5	MPX4740350*250***
0.56	32.0	9.0	18.0	0.8	27.5	MPX5640350*250***
0.68	32.0	9.0	18.0	0.8	27.5	MPX6840350*250***
0.68	32.0	11.0	20.0	0.8	27.5	MPX6840350*250***
0.82	32.0	9.0	18.0	0.8	27.5	MPX8240350*250***
1.0	32.0	9.0	18.0	0.8	27.5	MPX1050350*250***
1.0	32.0	11.0	20.0	0.8	27.5	MPX1050350*250***
1.0	32.0	13.0	22.0	0.8	27.5	MPX1050350*250***
1.2	32.0	11.0	20.0	0.8	27.5	MPX1250350*250***
1.2	32.0	13.0	22.0	0.8	27.5	MPX1250350*250***
1.5	32.0	11.0	20.0	0.8	27.5	MPX1550350*250***
1.5	32.0	13.0	22.0	0.8	27.5	MPX1550350*250***
1.5	32.0	13.0	25.0	0.8	27.5	MPX1550350*250***
1.5	32.0	15.0	24.5	0.8	27.5	MPX1550350*250***
1.8	32.0	13.0	22.0	0.8	27.5	MPX1850350*250***
1.8	32.0	13.0	25.0	0.8	27.5	MPX1850350*250***



EMI Suppression Capacitors X2 series

金属化聚丙烯膜抗干扰电容器

规格表 Specification table

续上表

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
1.8	32.0	14.0	28.0	0.8	27.5	MPX1850350*250***
1.8	32.0	15.0	24.5	0.8	27.5	MPX1850350*250***
2.2	32.0	15.0	24.5	0.8	27.5	MPX2250350*250***
2.2	32.0	16.0	30.0	0.8	27.5	MPX2250350*250***
2.7	32.0	14.0	28.0	0.8	27.5	MPX2750350*250***
2.7	32.0	16.0	30.0	0.8	27.5	MPX2750350*250***
2.7	32.0	18.0	33.0	0.8	27.5	MPX2750350*250***
3.3	32.0	16.0	30.0	0.8	27.5	MPX3350350*250***
3.3	32.0	19.0	29.0	0.8	27.5	MPX3350350*250***
3.3	32.0	18.0	33.0	0.8	27.5	MPX3350350*250***
3.3	32.0	18.0	38.0	0.8	27.5	MPX3350350*250***
3.9	32.0	18.0	33.0	0.8	27.5	MPX3950350*250***
3.9	32.0	22.0	37.0	0.8	27.5	MPX3950350*250***
4.7	32.0	18.0	33.0	0.8	27.5	MPX4750350*250***
4.7	32.0	20.0	34.0	0.8	27.5	MPX4750350*250***
4.7	32.0	20.0	34.0	0.8	27.5	MPX4750350*250***
4.7	32.0	22.0	37.0	0.8	27.5	MPX4750350*250***
4.7	32.0	24.0	38.0	0.8	27.5	MPX4750350*250***
5.6	32.0	22.0	37.0	0.8	27.5	MPX5650350*250***
6.8	32.0	22.0	37.0	0.8	27.5	MPX6850350*250***
6.8	32.0	24.0	40.5	0.8	27.5	MPX6850350*250***
0.33	41.0	11.0	22.0	1.0	37.5	MPX3340350*260***
0.39	41.0	11.0	22.0	1.0	37.5	MPX3940350*260***
0.47	41.0	11.0	22.0	1.0	37.5	MPX4740350*260***
0.56	41.0	11.0	22.0	1.0	37.5	MPX5640350*260***
0.68	41.0	11.0	22.0	1.0	37.5	MPX6840350*260***
0.82	41.0	11.0	22.0	1.0	37.5	MPX8240350*260***
1.0	41.0	11.0	22.0	1.0	37.5	MPX1050350*260***
1.2	41.0	11.0	22.0	1.0	37.5	MPX1250350*260***
1.5	41.0	13.0	24.0	1.0	37.5	MPX1550350*260***
1.5	41.0	11.0	22.0	1.0	37.5	MPX1550350*260***
1.8	41.0	11.0	22.0	1.0	37.5	MPX1850350*260***
1.8	41.0	13.0	24.0	1.0	37.5	MPX1850350*260***
1.8	41.0	15.0	26.0	1.0	37.5	MPX1850350*260***
2.2	41.0	13.0	24.0	1.0	37.5	MPX2250350*260***
2.2	41.0	15.0	26.0	1.0	37.5	MPX2250350*260***
2.7	41.0	15.0	26.0	1.0	37.5	MPX2750350*260***
2.7	41.0	16.0	30.0	1.0	37.5	MPX2750350*260***
3.3	42.0	14.0	28.0	1.0	37.5	MPX3350350*260***
3.3	41.0	15.0	26.0	1.0	37.5	MPX3350350*260***
3.3	41.0	17.0	28.0	1.0	37.5	MPX3350350*260***
3.3	41.0	16.0	30.0	1.0	37.5	MPX3350350*260***
3.3	41.0	17.0	32.0	1.0	37.5	MPX3350350*260***
3.9	41.0	16.0	30.0	1.0	37.5	MPX3950350*260***
3.9	41.0	17.0	32.0	1.0	37.5	MPX3950350*260***
3.9	41.0	18.5	33.5	1.0	37.5	MPX3950350*260***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
3.9	41.0	20.0	34.0	1.0	37.5	MPX3950350*260***
4.7	41.0	16.0	30.0	1.0	37.5	MPX4750350*260***
4.7	41.0	17.0	32.0	1.0	37.5	MPX4750350*260***
4.7	41.0	20.0	34.0	1.0	37.5	MPX4750350*260***
4.7	41.0	22.0	37.0	1.0	37.5	MPX4750350*260***
5.6	41.0	18.5	33.5	1.0	37.5	MPX5650350*260***
5.6	41.0	22.0	37.0	1.0	37.5	MPX5650350*260***
6.8	41.0	20.0	34.0	1.0	37.5	MPX6850350*260***
6.8	41.0	22.0	37.0	1.0	37.5	MPX6850350*260***
6.8	41.0	24.0	37.0	1.0	37.5	MPX6850350*260***
6.8	41.0	26.0	37.0	1.0	37.5	MPX6850350*260***
8.2	41.0	22.0	37.0	1.0	37.5	MPX8250350*260***
8.2	41.0	26.0	37.0	1.0	37.5	MPX8250350*260***
8.2	41.0	26.0	41.0	1.0	37.5	MPX8250350*260***
8.2	41.0	28.0	43.0	1.0	37.5	MPX8250350*260***
10.0	41.0	26.0	41.0	1.0	37.5	MPX1060350*260***
10.0	42.0	30.0	45.0	1.0	37.5	MPX1060350*260***
12.0	41.0	28.0	43.0	1.0	37.5	MPX1260350*260***
12.0	41.0	30.0	45.0	1.0	37.5	MPX1260350*260***
15.0	42.0	30.0	45.0	1.0	37.5	MPX1560350*260***
15.0	42.0	30.0	50.0	1.0	37.5	MPX1560350*260***
15.0	57.0	30.0	45.0	1.2	52.5	MPX1560350*270***
15.0	57.0	30.0	48.0	1.2	52.5	MPX1560350*270***
18.0	57.0	30.0	45.0	1.2	52.5	MPX1860350*270***
18.0	57.0	35.0	45.0	1.2	52.5	MPX1860350*270***
18.0	57.0	34.0	48.5	1.2	52.5	MPX1860350*270***
20.0	57.0	30.0	45.0	1.2	52.5	MPX2060350*270***
20.0	57.0	35.0	50.0	1.2	52.5	MPX2060350*270***
20.0	57.0	37.5	52.0	1.2	52.5	MPX2060350*270***
25.0	57.0	35.0	50.0	1.2	52.5	MPX2560350*270***

